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**UNITED STATES ENVIRONMENT PROTECTION AGENCY
REGION 5
EMERGENCY RESPONSE BRANCH
POLLUTION REPORT**

Date: November 17, 1999
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Subject: South Central Terminal, OPA Oil Spill Response Action,
Pana, Christian County, Illinois
Latitude: N 39° 22' 24.6" Longitude: W 89° 04' 57.2"

POLREP No.: 6	FPN: N99269;
Reporting Period: November 1-17, 1999	Response Authority: OPA
Start Date: August 25, 1999	USEPA Site ID No.: Z5AX
Completion Date:	Task Order No.: 41
NPL Status: Non-NPL	

I. SITUATION:

- A. Oil spill response activities resumed 10/28, when an additional \$50,000 was obtained from the Region's oil spill response account. The IAG approval by USCG for project funding under OPA was received in late October 1999. On-site water treatment is completed. Springfield Belle de-mobilized. This project is also being funded under CERCLA.
- B. Weather: sunny and colder. Temperatures have ranged from the upper 20's °F in the morning to the middle 50's °F by the afternoon. It has not rained since August, so the site is very dry. Watering site roads for dust control. Security service patrolling grounds during non-working hours. Other than the guards found sleeping at times, the site has remained secure after hours.

II. ACTIONS TAKEN:

- A. Consolidation of oil and water from tanks, process piping, and the surface impoundments, resumed 11/01, after an additional \$50,000 was received to continue oil spill response actions. Additional \$70,000, received 11/10 to continue the cleanup through the Thanksgiving holiday. IAG paperwork and transfer of funds from the USCG to EPA has not yet been completed. Region 5 Grants Program and Finance Branch are slow in processing the necessary paperwork.

- B. Consolidation of all free liquids found in tanks and process pipelines completed 11/17. Residual fluids removed from the main refinery 11/8-12, in preparation for mercaptan tower removal 11/17, under CERCLA. All residual liquids consolidated into Tank 90.
- C. Continued solidifying tank bottoms as tanks are emptied and demolished. Tanks 409-411 were completed between 11/01 and 11/12. Tank bottoms being solidified with calcement, a fly-ash/limestone material, then stockpiled for T&D.
- D. Tank 90 is a headache. OSC Faryan vows to whip its behind. OSC Guria sez landfill! Portable heaters brought in 11/02, to allow material to become pumpable. Three tank truck shipments (18,300 gal) were sent 11/03, to Liquid Waste Removal's facility in Greenwood, IN, for fuels blending. Disposal was suspended 11/04, when the facility determined it could not handle the very thick material. Disposal options are being considered.
- E. Resumed on-site water treatment with the Springfield Belle 10/28. EQM's water treatment response manager mobilized 11/02, to run system and teach the ER crew how to conduct water treatment. A vessel containing a zeolite material was mobilized 10/20, to treat dissolved ammonia from the surface impoundment. Treatment system became fully operational 11/03. Field tests of effluent determined ammonia levels remained above State NPDES permit limits. Discharge of treated water halted 11/05, and was used for dust control on site roads. Water treatment completed 11/11. A total of 150,260 gallons was treated thru the Belle. Began disassembly and decontamination 11/12. The Belle was recharged with clean carbon, sand, and multi-media, then demobilized to EQM's Chicago-land warehouse 11/17.
- F. Began solidification of surface impoundment sludge 11/11. Samples of sludge and solidified sludge collected and sent for disposal analysis 11/15.
- G. Began T&D of non-hazardous solidified oil sludge/soil 11/15. A total of 21 truckloads, 528 cubic yards of material was shipped to Chem Waste's landfill in Taylorville, IL, this week.

III. PLANS

- A. Continue collection and consolidation of residual oil and water from on-site tanks and process piping.
- B. Continue solidification of sludge from surface impoundment. Sludge to be stockpiled pending disposal analysis. It will be consolidated with the non-haz solidified oil sludge/soil waste stream if the analytical results indicate that it is similar.
- C. Solidify thick sludge from tank 302, and add to oil sludge/soil waste stream.
- D. Consolidate oil wastes contained in small containers and drums with the oil sludge/soil waste stream.
- E. Evaluate disposal options for tank 90. Contents is very viscous. Options being considered are on-site use for energy recovery (boiler) or solidification and land filling. There is approximately 180,000 gallons of viscous material for disposal.
- F. Excavate heavily impacted hydrocarbon soil from three ADM tank farm areas and consolidate with oil sludge/soil waste stream.

IV. KEY ISSUES:

- A. Additional OPA funding has ben provided by the Region's general oil spill account. On October 28th the ERRS contractor Task Order was increased \$50,000, and again on November 11th, for \$70,000. This brings the current cleanup contractor ceiling to \$295,000. The IAG was approved by the USCG by October 15th, and sent to the Region for processing. The process for allocating and distributing the funding within the Region is inefficient and will result in the project begin completed before the funding is available.

V. COSTS:

A. Case open.

B. Costs as of 11/16/1999:

	<u>Budgeted</u>	<u>Total To Date</u>	<u>Remaining</u>
ERRS	\$295,000 ¹	\$281,570	\$13,430
U.S. EPA	\$87,600	\$15,832	\$71,768
START	<u>\$60,000</u>	<u>\$9,667</u>	<u>\$50,333</u>
Total	\$442,600	\$307,069	\$135,531

V. DISPOSITION OF WASTES:

A. To date, a total of 528 cubic yards of non-hazardous solidified oil sludge and soil has been shipped to Chemical Waste management's Five Oaks landfill in Taylorville, IL.

B. Shipped 18,300 gallons of viscous oil to Liquid Waste Removal, Greenwood, IN, for fuels blending.

1. Amount requested from USCG in IAG is \$600,000. Current Task Order ceiling is \$295,000.

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